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Roll No

BE-205

B.E. I & II Semester

Examination, December 2016

Basic Computer Engineering

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Draw the block diagram of a computer system and explain its various components. 7
b) What are input devices? Briefly explain some popular input devices. 7
2. a) Differentiate between : 7
i) System software Vs Application software
ii) RAM Vs ROM
b) Briefly explain the functions of operating system. 7
3. a) What is memory management? Explain briefly. 7
b) Why algorithm writing and drawing flowchart is necessary before writing a computer program? 7
4. a) What is Object Oriented Programming? How is it different from the Procedure-Oriented Programming? 7
b) What are control structures in C++? Explain any two control structure with example. 7

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5. a) What is an Inheritance? Discuss its various types with example. 7
b) Write a brief note on data structures. Differentiate between linear and nonlinear data structure. 7
6. a) Draw ISO - OSI model of computer networking? Write down for each of its layers? 7
b) What is ecommerce? What are its advantages? 7
7. a) What is the difference between Internet and World Wide Web? 7
b) What is a data model? Explain its various types? 7
8. Write short note : 14
a) Primary key
b) DBA
c) Types of cloud
d) DDL
e) DML

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